DAIKIN

technical data

VRV II Systems

FXHQ-MVE

Ceiling suspended unit

FXHQ-MVE
Ceiling suspended unit

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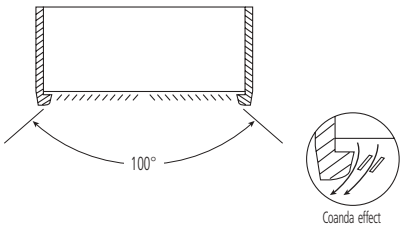
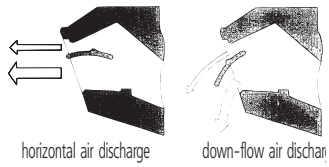
1 Features

1-1 Improved air discharge in horizontal and vertical direction provides more comfort, even if you have limited installation space

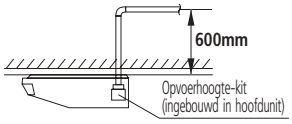
- "Wide air discharge outlet" ensures wider air distribution in horizontal direction, up to 100°



- Sides of the discharge outlet are "R" shaped to obtain coanda effect
- Use of W-Coanda flap enhances horizontal and vertical air circulation characteristics



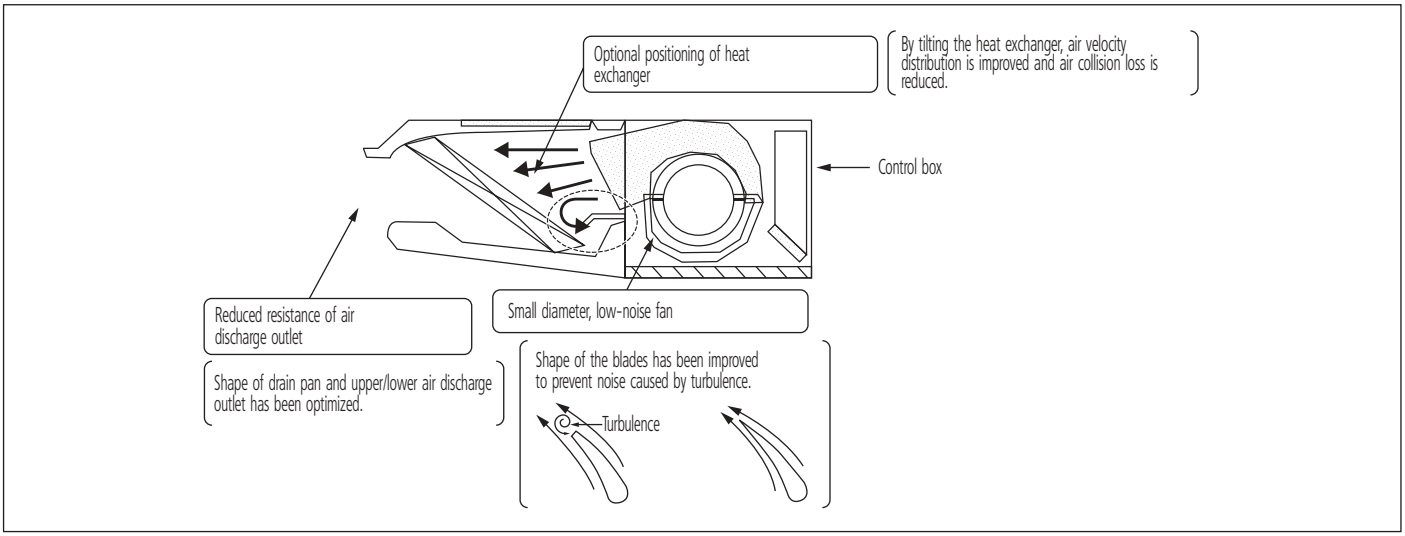
- Enables to adjust air direction with minimum air resistance
- Increases air velocity of upper side of flap to prevent the air from rising during heating operation
- Can be installed in new or existing buildings
- Quiet operation: down to 31 dBA sound pressure level
- Easy installation and maintenance
- Drain-up kit with 600mm lift available as accessory



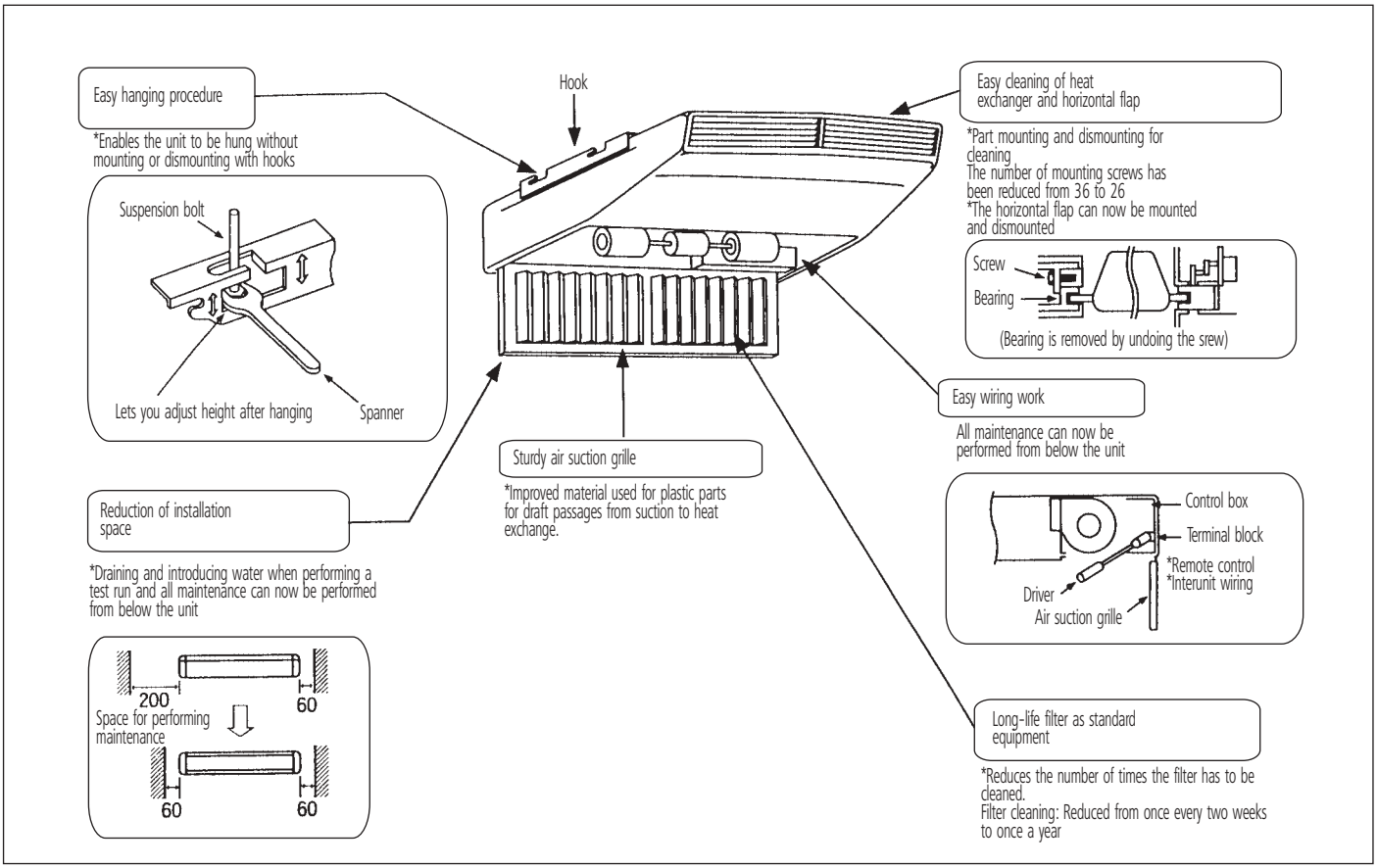
- Long life filter fitted as standard

1 Features

1-2 Compact unit with very low sound pressure level


Optional positioning of heat exchanger
By tilting the heat exchanger, air velocity distribution is improved and air collision loss is reduced.
Control box
Reduced resistance of air discharge outlet
Small diameter, low-noise fan
Shape of drain pan and upper/lower air discharge outlet has been optimized.
Shape of the blades has been improved to prevent noise caused by turbulence.
Turbulence

1-3 Easy installation


Easy hanging procedure
*Enables the unit to be hung without mounting or dismounting with hooks
Suspension bolt
Lets you adjust height after hanging
Spanner
Hook
Easy cleaning of heat exchanger and horizontal flap
*Part mounting and dismounting for cleaning
The number of mounting screws has been reduced from 36 to 26
*The horizontal flap can now be mounted and dismounted
Screw
Bearing
(Bearing is removed by undoing the srew)
Easy wiring work
All maintenance can now be performed from below the unit
Sturdy air suction grille
*Improved material used for plastic parts for draft passages from suction to heat exchange.
Reduction of installation space
*Draining and introducing water when performing a test run and all maintenance can now be performed from below the unit
200
60
Space for performing maintenance
60
60
Control box
Terminal block
*Remote control
*Interunit wiring
Driver
Air suction grille
Long-life filter as standard equipment
*Reduces the number of times the filter has to be cleaned.
Filter cleaning: Reduced from once every two weeks to once a year

1 Features

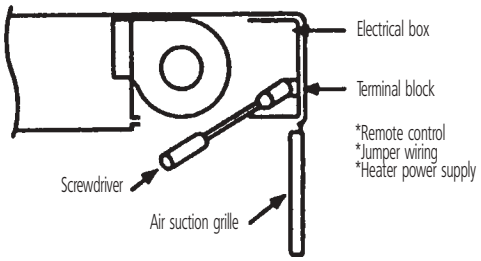
1-4 Super long-life filter only needs to be cleaned once a year

- The ceiling suspended unit is equipped with a thinned-down super long-life filter, maintaining the same height of the unit. The cleaning cycle has been reduced dramatically from once every two weeks to once a year.

1-5 Easy maintenance

- **All maintenance operations can be performed from the bottom of the unit**

  The electrical box, that was positioned on the side panel is now located on the rear panel. All wiring can easily be connected from the bottom of the unit.



- **Sturdier air suction grill**

  The new air suction grille is made of polypropylene, which has a superiority against oil, and also improved the shape of cross-section to increase the strength than conventional grille. At the same time, all the materials of the parts in air path have also been changed to polypropylene to prevent the spoilage from the oil.

Air suction grille	Polypropylene (Includes hinges and knobs)
Filter	Polypropylene frame and Polypropylene net
Housing	Polypropylene
Rotor	Polypropylene
Drain pan sheet	Chemical resistant ABC

2 Specifications

2-1 Technical specifications

FXHQ-MVE				32	63	100
COOLING CAPACITY (1)			kW	3.6	7.1	11.2
HEATING CAPACITY (2)			kW	4.0	8.0	12.5
NOMINAL INPUT	Cooling		W	111	115	135
	Heating		W	111	115	135
DIMENSIONS	HxWxD		mm	195x960x680	195x1,160x680	195x1,400x680
WEIGHT			kg	24	28	33
COLOUR	Decoration panel			white (10Y9/0.5)		
SOUND LEVEL	Sound pressure	high	dBA	36	39	45
		low	dBA	31	34	37
	Sound power		dBA	*	*	*
FAN	Air flow rate	high	m^3/h	720	1,050	1,500
		low	m^3/h	600	840	1,170
	Type			sirocco fan		
	Model			3D12K1AA1	4D12K1AA1	3D12K2AA1
	Motor output		W	62	62	130
	Drive			direct drive		
HEAT EXCHANGER	Rows x stages x fin pitch		mm	2x12x1.75	3x12x1.75	3x12x1.75
	Face area		m^2	0.182	0.233	0.293
AIR FILTER				resin net with mold resistant		
REFRIGERANT CONTROL				electronic expansion valve		
TEMPERATURE CONTROL				microprocessor thermostat for cooling and heating		
PIPING CONNECTIONS	Liquid	flare	mm	ø 6.4	ø 9.5	
	Gas	flare	mm	ø 12.7	ø 15.9	
	Drain			VP20, external diameter 26, internal diameter 20		
SOUND ABSORBING INSULATION MATERIAL				glass wool		

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NOTES

1 Nominal cooling capacities are based on:
- Indoor temperature: 27°CDB, 19°CWB
- Outdoor temperature: 35°CDB
- Equivalent refrigerant piping: 7.5m (horizontal)

2 Nominal heating capacities are based on:
- Indoor temperature: 20°CDB
- Outdoor temperature: 7°CDB, 6°CWB
- Equivalent refrigerant piping: 7.5m (horizontal)

3 Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.

* data were not available at the time of publication

2-2 Electrical specifications

FXHQ-MVE			32	63	100
CURRENT	Minimum circuit amps (MCA)	A	0.8		0.9
	Maximum fuse amps (MFA) (5)	A	15		
POWER SUPPLY		VE	1 ~, 50Hz, 220-240V		
VOLTAGE RANGE	Min~max	V	198~264		
INDOOR FAN MOTOR	Fan motor rated output	W	62		130
	Full load amps (FLA)	A	0.6		0.7

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NOTES

1 Voltage range: units are suitable for use on electrical systems where voltage supplied to unit terminals is not below or above listed range limits.

2 Maximum allowable voltage range variation between phases is 2%.

3 MCA/MFA:
MCA = 1.25 x FLA
MFA ≤ 4 x FLA (next lower standard fuse rating minimum 15A.)

4 Select wire size based on the MCA.

5 Instead of a fuse, use a circuit breaker

6 For more details concerning conditional connections, see http://www.daikineurope.com/extranet, select "Daikin Documentation" and select "conditional connection", "the requested product type" and "English" from the drop down lists, click the search button.
Finally, click on the document title of your choice.

2 Specifications

2-3 Safety device settings

FXHQ-MVE		32	63	100
PC BOARD FUSE		250V 5A		
FAN MOTOR THERMAL PROTECTOR	°C	OFF: $130^{\pm5}$ / ON: $80^{\pm20}$		

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3 Accessories

FXHQ-MVE		32	63	100
DRAIN PUMP KIT		KDU50M60VE	KDU50M125VE	KDU50M125VE
REPLACEMENT LONG-LIFE FILTER	Resin net	KAFJ501D56	KAFJ501D80	KAFJ501D112
L-TYPE PIPING KIT FOR UPWARD DIRECTION		KHFP5M35	KHFP5M63	KHFP5M63

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4 Control systems

4-1 Individual control systems

WIRED REMOTE CONTROL		BRC1D517
INFRARED REMOTE CONTROL	Heat pump	BRC7E63W
	Cooling only	BRC7E66

4-2 Centralised control systems

CENTRALISED REMOTE CONTROL	DCS302B51
UNIFIED ON/OFF CONTROL	DCS301B51
SCHEDULE TIMER	DST301B51

4-3 Others

WIRING ADAPTER	KRP1B3
WIRING ADAPTER FOR ELECTRICAL APPENDICES (1)	KRP2A62 #
WIRING ADAPTER FOR ELECTRICAL APPENDICES (2)	KRP4A52 #
REMOTE SENSOR	KRCS01-1
INSTALLATION BOX FOR ADAPTER PCB	KRP1C93 (2)
ELECTRICAL BOX WITH EARTH TERMINAL (3 BLOCKS)	KJB311A
ELECTRICAL BOX WITH EARTH TERMINAL (2 BLOCKS)	KJB212A
NOISE FILTER (FOR ELECTROMAGNETIC INTERFACE USE ONLY)	KEK26-1
EXTERNAL CONTROL ADAPTER FOR OUTDOOR UNITS (INSTALLATION ON INDOOR UNIT)	DTA104A62 #

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NOTES

1 Installation box is necessary for each adapter marked with #
2 Only 1 installation box can be installed per indoor unit

5 Capacity tables

5-1 Cooling capacity

TC: Total capacity;kW – SHC: Sensible capacity;kW

Unit size	Nominal capacity	Outdoor air temp.	Indoor air temperature													
			14.0WB		16.0WB		18.0WB		19.0WB		20.0WB		22.0WB		24.0WB	
			20.0DB		23.0DB		26.0DB		27.0DB		28.0DB		30.0DB		32.0DB	
		°CDB	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC	TC	SHC
32	3.6	10.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.9	3.8	2.9	4.3	3.0	4.7	3.1
		12.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.9	3.8	2.9	4.3	3.0	4.7	3.0
		14.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.9	3.8	2.9	4.3	3.0	4.6	3.0
		16.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.9	3.8	2.9	4.3	3.0	4.6	3.0
		18.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.9	3.8	2.9	4.3	3.0	4.5	2.9
		20.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.9	3.8	2.9	4.3	3.0	4.4	2.9
		21.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.9	3.8	2.9	4.3	3.0	4.4	2.9
		23.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.9	3.8	2.9	4.2	3.0	4.3	2.8
		25.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.9	3.8	2.9	4.2	2.9	4.3	2.8
		27.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.9	3.8	2.9	4.1	2.9	4.2	2.8
		29.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.9	3.8	2.9	4.1	2.9	4.2	2.7
		31.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.9	3.8	2.9	4.0	2.8	4.1	2.7
		33.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.9	3.8	2.9	3.9	2.8	4.0	2.7
		35.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.9	3.8	2.9	3.9	2.8	4.0	2.7
		37.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.9	3.7	2.9	3.8	2.8	3.9	2.7
		39.0	2.4	2.3	2.9	2.6	3.4	2.8	3.6	2.9	3.7	2.9	3.8	2.7	3.8	2.6
63	7.1	10.0	4.8	4.1	5.7	4.6	6.6	5.1	7.1	5.2	7.6	5.3	8.5	5.5	9.3	5.6
		12.0	4.8	4.1	5.7	4.6	6.6	5.1	7.1	5.2	7.6	5.3	8.5	5.5	9.2	5.5
		14.0	4.8	4.1	5.7	4.6	6.6	5.1	7.1	5.2	7.6	5.3	8.5	5.5	9.1	5.4
		16.0	4.8	4.1	5.7	4.6	6.6	5.1	7.1	5.2	7.6	5.3	8.5	5.5	9.0	5.3
		18.0	4.8	4.1	5.7	4.6	6.6	5.1	7.1	5.2	7.6	5.3	8.5	5.5	8.8	5.3
		20.0	4.8	4.1	5.7	4.6	6.6	5.1	7.1	5.2	7.6	5.3	8.5	5.5	8.7	5.2
		21.0	4.8	4.1	5.7	4.6	6.6	5.1	7.1	5.2	7.6	5.3	8.5	5.5	8.7	5.2
		23.0	4.8	4.1	5.7	4.6	6.6	5.1	7.1	5.2	7.6	5.3	8.4	5.4	8.5	5.1
		25.0	4.8	4.1	5.7	4.6	6.6	5.1	7.1	5.2	7.6	5.3	8.3	5.4	8.4	5.1
		27.0	4.8	4.1	5.7	4.6	6.6	5.1	7.1	5.2	7.6	5.3	8.1	5.3	8.3	5.0
		29.0	4.8	4.1	5.7	4.6	6.6	5.1	7.1	5.2	7.6	5.3	8.0	5.2	8.2	5.0
		31.0	4.8	4.1	5.7	4.6	6.6	5.1	7.1	5.2	7.6	5.3	7.9	5.1	8.1	4.9
		33.0	4.8	4.1	5.7	4.6	6.6	5.1	7.1	5.2	7.6	5.3	7.8	5.1	7.9	4.9
		35.0	4.8	4.1	5.7	4.6	6.6	5.1	7.1	5.2	7.5	5.3	7.7	5.1	7.8	4.8
		37.0	4.8	4.1	5.7	4.6	6.6	5.1	7.1	5.2	7.4	5.2	7.5	5.0	7.7	4.8
		39.0	4.8	4.1	5.7	4.6	6.6	5.1	7.1	5.2	7.2	5.1	7.4	5.0	7.6	4.7
100	11.2	10.0	7.6	6.2	9.0	6.9	10.5	7.8	11.2	8.0	11.9	8.1	13.4	8.5	14.7	8.7
		12.0	7.6	6.2	9.0	6.9	10.5	7.8	11.2	8.0	11.9	8.1	13.4	8.5	14.5	8.5
		14.0	7.6	6.2	9.0	6.9	10.5	7.8	11.2	8.0	11.9	8.1	13.4	8.5	14.4	8.4
		16.0	7.6	6.2	9.0	6.9	10.5	7.8	11.2	8.0	11.9	8.1	13.4	8.5	14.2	8.3
		18.0	7.6	6.2	9.0	6.9	10.5	7.8	11.2	8.0	11.9	8.1	13.4	8.5	14.0	8.2
		20.0	7.6	6.2	9.0	6.9	10.5	7.8	11.2	8.0	11.9	8.1	13.4	8.5	13.8	8.1
		21.0	7.6	6.2	9.0	6.9	10.5	7.8	11.2	8.0	11.9	8.1	13.4	8.5	13.7	8.0
		23.0	7.6	6.2	9.0	6.9	10.5	7.8	11.2	8.0	11.9	8.1	13.2	8.3	13.5	7.9
		25.0	7.6	6.2	9.0	6.9	10.5	7.8	11.2	8.0	11.9	8.1	13.0	8.2	13.3	7.8
		27.0	7.6	6.2	9.0	6.9	10.5	7.8	11.2	8.0	11.9	8.1	12.8	8.1	13.1	7.7
		29.0	7.6	6.2	9.0	6.9	10.5	7.8	11.2	8.0	11.9	8.1	12.6	8.0	12.9	7.6
		31.0	7.6	6.2	9.0	6.9	10.5	7.8	11.2	8.0	11.9	8.1	12.4	7.9	12.7	7.6
		33.0	7.6	6.2	9.0	6.9	10.5	7.8	11.2	8.0	11.9	8.1	12.2	7.8	12.5	7.5
		35.0	7.6	6.2	9.0	6.9	10.5	7.8	11.2	8.0	11.8	8.1	12.1	7.7	12.3	7.4
		37.0	7.6	6.2	9.0	6.9	10.5	7.8	11.2	8.0	11.6	8.0	11.9	7.7	12.2	7.3
		39.0	7.6	6.2	9.0	6.9	10.5	7.8	11.2	8.0	11.4	7.9	11.7	7.6	12.0	7.2

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5 Capacity tables

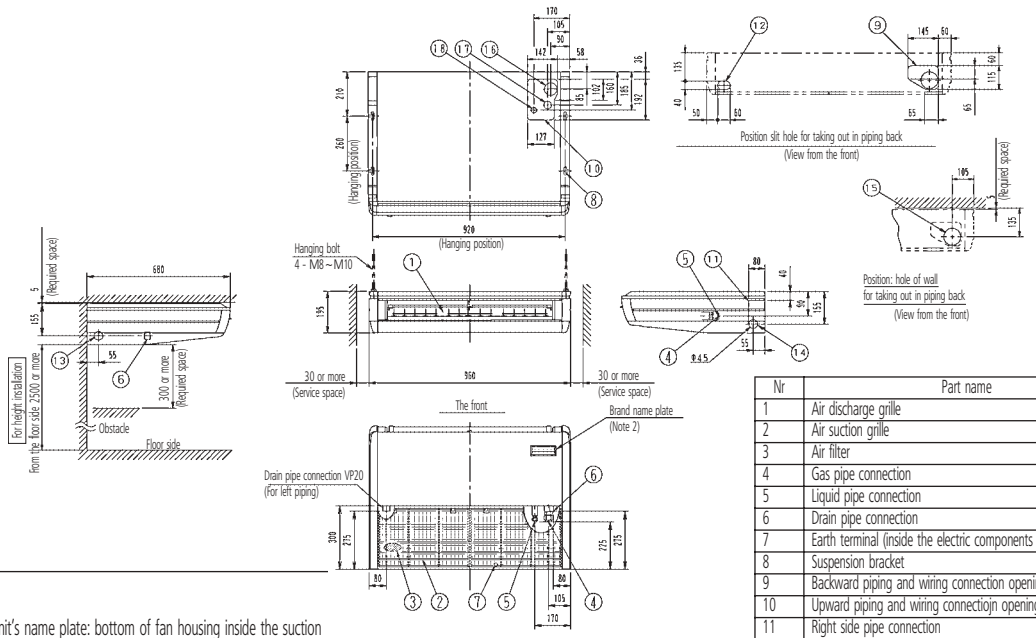
5-2 Heating capacity

Unit Size	Nominal capacity	Outdoor air temperature		Indoor air temperature °CDB					
				16.0	18.0	20.0	21.0	22.0	24.0
		°CDB	°CWB	kW	kW	kW	kW	kW	kW
32	4.0	-19.8	-20.0	2.4	2.4	2.3	2.3	2.3	2.3
		-18.8	-19.0	2.4	2.4	2.4	2.4	2.4	2.4
		-16.7	-17.0	2.6	2.6	2.6	2.6	2.6	2.5
		-14.7	-15.0	2.7	2.7	2.7	2.7	2.7	2.7
		-12.6	-13.0	2.9	2.8	2.8	2.8	2.8	2.8
		-10.5	-11.0	3.0	3.0	3.0	3.0	3.0	3.0
		-9.5	-10.0	3.1	3.1	3.1	3.1	3.0	3.0
		-8.5	-9.1	3.1	3.1	3.1	3.1	3.1	3.1
		-7.0	-7.6	3.2	3.2	3.2	3.2	3.2	3.2
		-5.0	-5.6	3.4	3.4	3.4	3.4	3.4	3.4
		-3.0	-3.7	3.5	3.5	3.5	3.5	3.5	3.5
		0.0	-0.7	3.7	3.7	3.7	3.7	3.7	3.5
		3.0	2.2	3.9	3.9	3.9	3.9	3.7	3.5
		5.0	4.1	4.1	4.1	4.0	3.9	3.7	3.5
		7.0	6.0	4.2	4.2	4.0	3.9	3.7	3.5
		9.0	7.9	4.3	4.3	4.0	3.9	3.7	3.5
		11.0	9.8	4.5	4.3	4.0	3.9	3.7	3.5
		13.0	11.8	4.5	4.3	4.0	3.9	3.7	3.5
		15.0	13.7	4.5	4.3	4.0	3.9	3.7	3.5
63	8.0	-19.8	-20.0	4.7	4.7	4.7	4.7	4.7	4.7
		-18.8	-19.0	4.9	4.9	4.8	4.8	4.8	4.8
		-16.7	-17.0	5.1	5.1	5.1	5.1	5.1	5.1
		-14.7	-15.0	5.4	5.4	5.4	5.4	5.4	5.4
		-12.6	-13.0	5.7	5.7	5.7	5.7	5.7	5.7
		-10.5	-11.0	6.0	6.0	6.0	6.0	6.0	5.9
		-9.5	-10.0	6.1	6.1	6.1	6.1	6.1	6.1
		-8.5	-9.1	6.3	6.3	6.2	6.2	6.2	6.2
		-7.0	-7.6	6.5	6.5	6.4	6.4	6.4	6.4
		-5.0	-5.6	6.8	6.7	6.7	6.7	6.7	6.7
		-3.0	-3.7	7.0	7.0	7.0	7.0	7.0	7.0
		0.0	-0.7	7.5	7.4	7.4	7.4	7.4	7.0
		3.0	2.2	7.9	7.8	7.8	7.7	7.5	7.0
		5.0	4.1	8.1	8.1	8.0	7.7	7.5	7.0
		7.0	6.0	8.4	8.4	8.0	7.7	7.5	7.0
		9.0	7.9	8.7	8.5	8.0	7.7	7.5	7.0
		11.0	9.8	8.9	8.5	8.0	7.7	7.5	7.0
		13.0	11.8	9.0	8.5	8.0	7.7	7.5	7.0
		15.0	13.7	9.0	8.5	8.0	7.7	7.5	7.0
100	12.5	-19.8	-20.0	7.4	7.4	7.3	7.3	7.3	7.3
		-18.8	-19.0	7.6	7.6	7.6	7.5	7.5	7.5
		-16.7	-17.0	8.0	8.0	8.0	8.0	8.0	8.0
		-14.7	-15.0	8.5	8.5	8.4	8.4	8.4	8.4
		-12.6	-13.0	8.9	8.9	8.9	8.9	8.9	8.8
		-10.5	-11.0	9.4	9.3	9.3	9.3	9.3	9.3
		-9.5	-10.0	9.6	9.6	9.5	9.5	9.5	9.5
		-8.5	-9.1	9.8	9.8	9.7	9.7	9.7	9.7
		-7.0	-7.6	10.1	10.1	10.1	10.1	10.1	10.0
		-5.0	-5.6	10.6	10.5	10.5	10.5	10.5	10.5
		-3.0	-3.7	11.0	11.0	10.9	10.9	10.9	10.9
		0.0	-0.7	11.6	11.6	11.6	11.6	11.6	10.9
		3.0	2.2	12.3	12.3	12.2	12.1	11.7	10.9
		5.0	4.1	12.7	12.7	12.5	12.1	11.7	10.9
		7.0	6.0	13.1	13.1	12.5	12.1	11.7	10.9
		9.0	7.9	13.5	13.3	12.5	12.1	11.7	10.9
		11.0	9.8	14.0	13.3	12.5	12.1	11.7	10.9
		13.0	11.8	14.1	13.3	12.5	12.1	11.7	10.9
		15.0	13.7	14.1	13.3	12.5	12.1	11.7	10.9

CA03A095

6 Dimensions

FXHQ32MVE



NOTES

1 Location of unit's name plate: bottom of fan housing inside the suction grille.

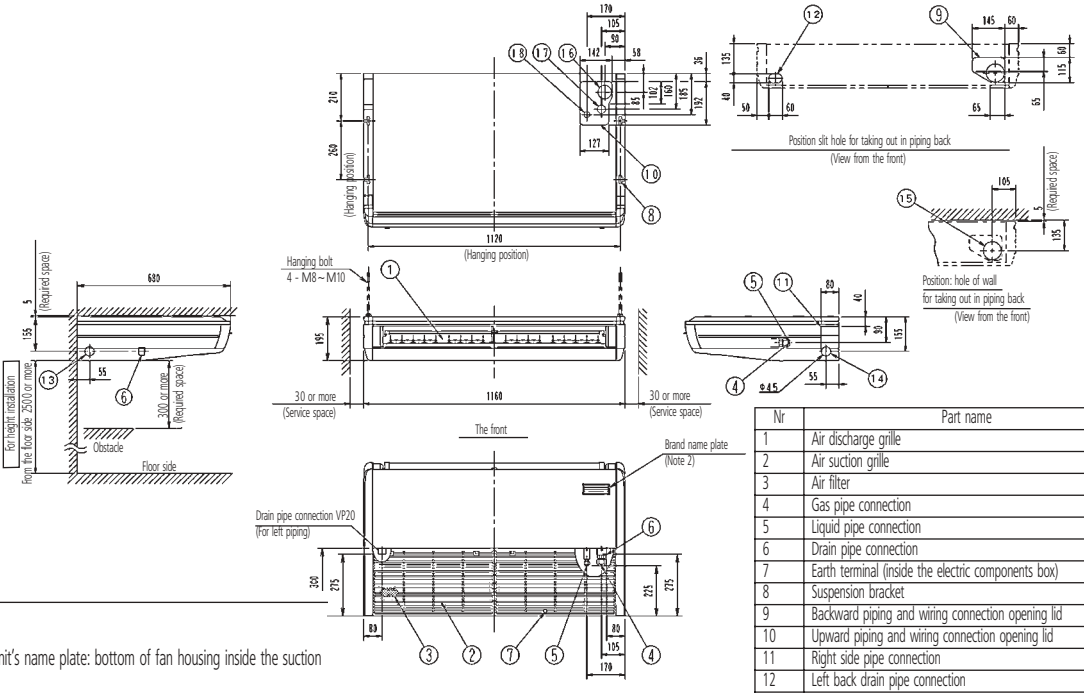
2 In case of using infrared remote control, this position will be a signal receiver. Refer to the drawing of infrared remote control, in detail.

3 The remote control code is standard (about 3m outside the machine) attached. (0.5mm^2 x 2 wicks x O.D. ø 5.4) (It is not attached to VRV)

Nr	Part name	Description
1	Air discharge grille	
2	Air suction grille	
3	Air filter	
4	Gas pipe connection	ø 12.7 flare
5	Liquid pipe connection	ø 6.4 flare
6	Drain pipe connection	VP20
7	Earth terminal (inside the electric components box)	M4
8	Suspension bracket	
9	Backward piping and wiring connection opening lid	
10	Upward piping and wiring connectiojn opening lid	
11	Right side pipe connection	Slit hole
12	Left back drain pipe connection	Slit hole
13	Left side drain pipe connection	Slit hole
14	Right side drain pipe connection	Slit hole
15	Hole of wall for taking out in piping back	ø 100
16	Upward drain pipe connection	ø 60
17	Upward gas pipe connection	ø 36
18	Upward liquid pipe connection	ø 26

3D038855

FXHQ63MVE



NOTES

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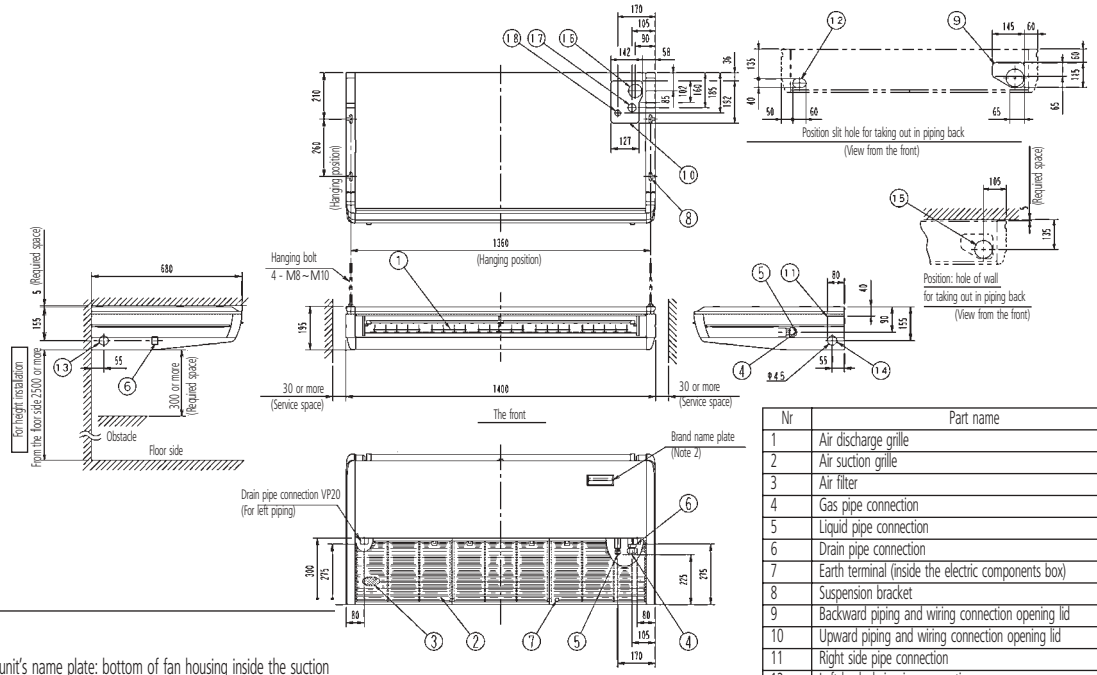
3 The remote control code is standard (about 3m outside the machine) attached. (0.5mm^2 x 2 wicks x O.D. ø 5.4) (It is not attached to VRV)

Nr	Part name	Description
1	Air discharge grille	
2	Air suction grille	
3	Air filter	
4	Gas pipe connection	ø 15.9 flare
5	Liquid pipe connection	ø 9.5 flare
6	Drain pipe connection	VP20
7	Earth terminal (inside the electric components box)	M4
8	Suspension bracket	
9	Backward piping and wiring connection opening lid	
10	Upward piping and wiring connection opening lid	
11	Right side pipe connection	Slit hole
12	Left back drain pipe connection	Slit hole
13	Left side drain pipe connection	Slit hole
14	Right side drain pipe connection	Slit hole
15	Hole of wall for taking out in piping back	ø 100
16	Upward drain pipe connection	ø 60
17	Upward gas pipe connection	ø 36
18	Upward liquid pipe connection	ø 26

3D038856

6 Dimensions

FXHQ100MVE



Nr	Part name	Description
1	Air discharge grille	
2	Air suction grille	
3	Air filter	
4	Gas pipe connection	ø 15.9 flare
5	Liquid pipe connection	ø 9.5 flare
6	Drain pipe connection	VP20
7	Earth terminal (inside the electric components box)	M4
8	Suspension bracket	
9	Backward piping and wiring connection opening lid	
10	Upward piping and wiring connection opening lid	
11	Right side pipe connection	Slit hole
12	Left back drain pipe connection	Slit hole
13	Left side drain pipe connection	Slit hole
14	Right side drain pipe connection	Slit hole
15	Hole of wall for taking out in piping back	ø 100
16	Upward drain pipe connection	ø 60
17	Upward gas pipe connection	ø 36
18	Upward liquid pipe connection	ø 26

NOTES

1 Location of unit's name plate: bottom of fan housing inside the suction grille.

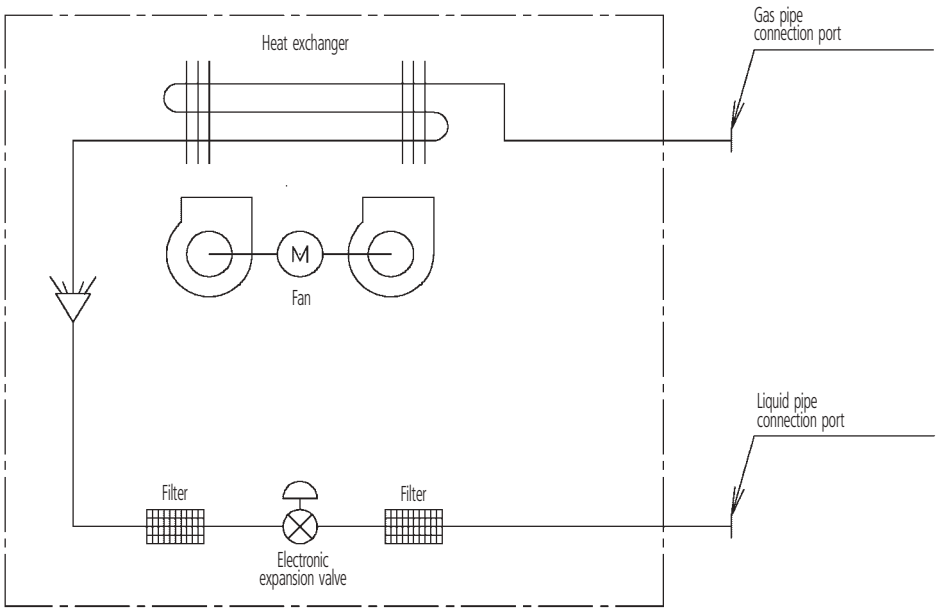
2 In case of using infrared remote control, this position will be a signal receiver. Refer to the drawing of infrared remote control, in detail.

3 The remote control code is standard (about 3m outside the machine) attached. (0.5mm^2 x 2wicks x O.D. ø 5.4) (It is not attached to VRV)

3D038857

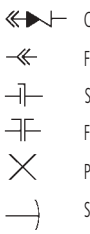
7 Piping Diagram

FXHQ-MVE



Piping connection diameters

Model	Gas	Liquid
FXHQ32MVE	ø 12.7	ø 6.4
FXHQ63MVE	ø 15.9	ø 9.5
FXHQ100MVE	ø 15.9	ø 9.5



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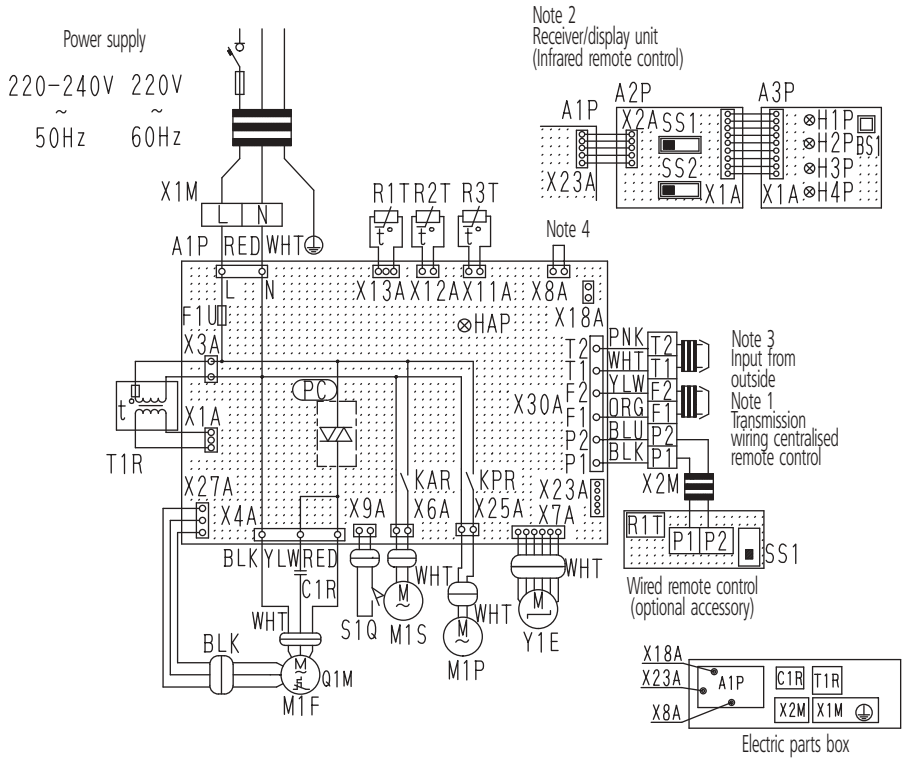
8 Wiring Diagram

FXHQ-MVE



Indoor unit				Receiver/display unit (Attached to infrared remote control)	
A1P	Printed circuit board	S1Q	Limit switch (Swing flap)	A2P	Printed circuit board
C1R	Capacitor (M1F)	T1R	Transformer (220-240V/22V)	A3P	Printed circuit board
F1U	Fuse (250V, 5A, Ⓑ)	X1M	Terminal strip (Power)	BS1	Push button (On/off)
HAP	Light emitting diode (Service monitor-green)	X2M	Terminal strip (Control)	H1P	Light emitting diode (On red)
KAR	Magnetic relay (M1S)	Y1E	Electronic expansion valve	H2P	Light emitting diode (Timer green)
KPR	Magnetic relay (M1P)	PC	Phase control circuit	H3P	Light emitting diode (Filter sign-red)
M1F	Motor (Indoor fan)			H4P	Light emitting diode (Defrost orange)
M1S	Motor (Swing flap)	Optional parts		SS1	Selector switch (Main/sub)
Q1M	Thermo switch (M1F embedded)	M1P	Motor (Drain pump)	SS2	Selector switch (Infrared address set)
R1T	Thermistor (Air)			Connector for optional parts	
R2T	Thermistor (Coil liquid)	Wired remote control		X8A	Connector (Float switch)
R3T	Thermistor (Coil gas)	R1T	Thermistor (Air)	X18A	Connector (Wiring adapter for electrical appendices)
RYA	Magnetic relay (M1S)	SS1	Selector switch (Main/sub)	X23A	Connector (Infrared remote control)

: Terminal
: Connector
: Jumper connector
: Field wiring

COLORS : BLK : Black PNK : Pink
BLU : Blue RED : Red
BRN : Brown WHT : White
ORG : Orange YLW : Yellow

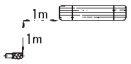
NOTES

1 In case of using centralised remote control, connect it to the unit in accordance with the attached instruction manual.
2 X23A is connected when the infrared remote control kit is being used.
3 When connecting the input wires from the outside, forced off or on/off control operation can be selected by remote control. In details, refer to the installation manual attached to the unit.
4 In case of installing the drain pump, remove the jumper connector of X8A and execute the additional wiring for float switch and drain pump.
5 Use copper conductors only.

3D039801

9 Sound level

9-1 Sound level data

Model	Sound pressure level - 220V			Sound power level
	H	L	Measuring location	
FXHQ32MVE	36	31		*
FXHQ63MVE	39	34		*
FXHQ100MVE	45	37		*

NOTES

1 Reference acoustic pressure 0 dB = 0.0002 μbar.

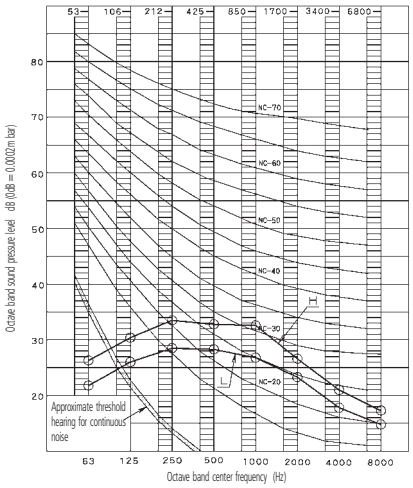
2 Measuring place: anechoic chamber.

3 Operating noise differs with operation and ambient conditions.

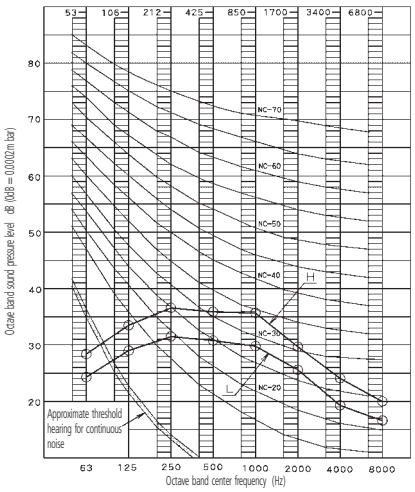
* Data were not available at time of publication.

9-2 Sound pressure spectrums

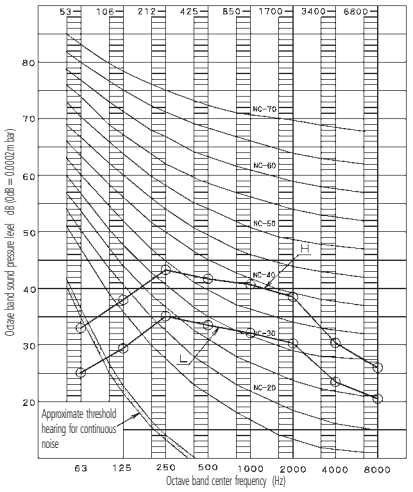
FXHQ32MVE 4D035301



FXHQ63MVE 4D035302



FXHQ100MVE 4D035303

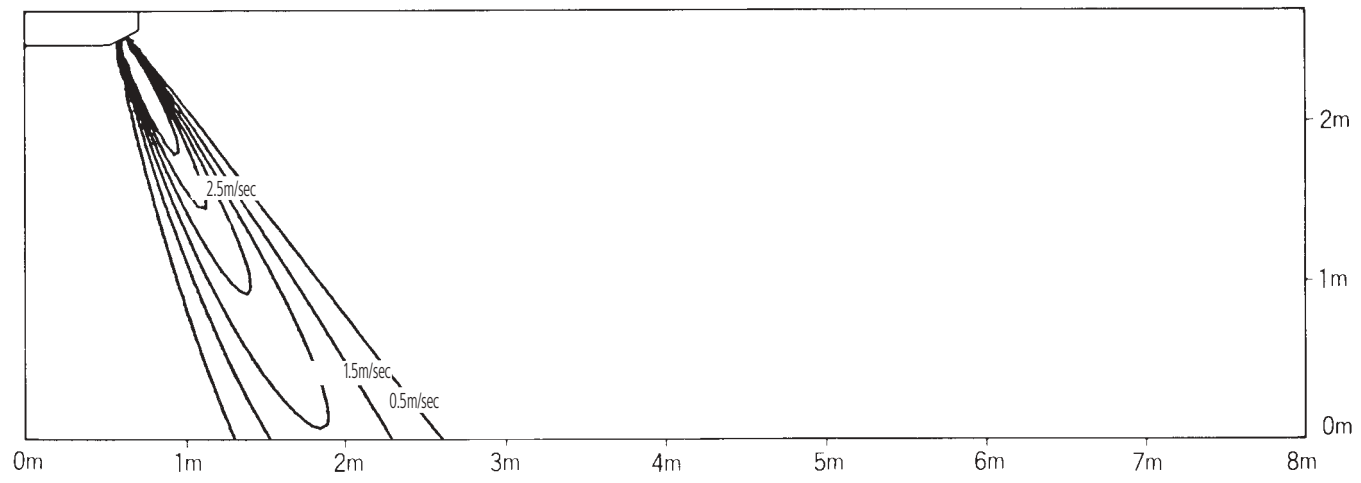


10 Air flow pattern

FXHQ100MVE

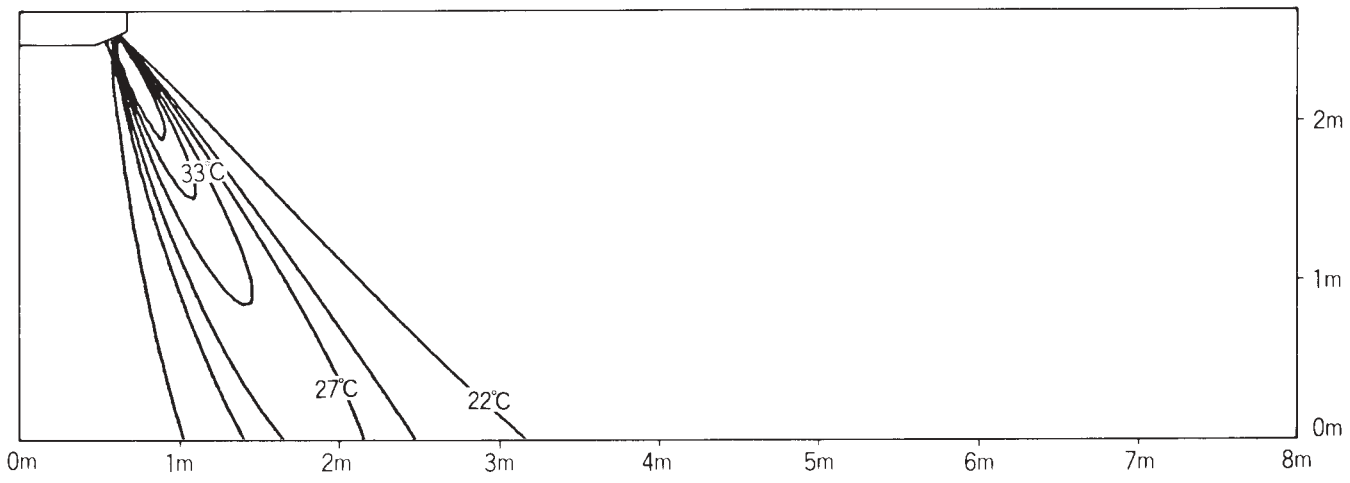
Heating Air velocity distribution

center air blow



Heating Temperature distribution

center air blow



10

2

VRV II Systems

ISO14001 assures an effective environmental management system in order to help protect human health and the environment from the potential impact of our activities, products and services and to assist in maintaining and improving the quality of the environment.

Daikin units comply with the European regulations that guarantee the safety of the product.

Daikin Europe N.V. is approved by LRQA for its Quality Management System in accordance with the ISO9001 standard. ISO9001 pertains to quality assurance regarding design, development, manufacturing as well as to services related to the product.

VRV products are not within the scope of the Eurovent certification programme.

Specifications are subject to change without prior notice

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